

Spring Pack Measurement Device (SPMD)



Specifications

- **Size:** 2" x 3 3/4" x 3 1/2"
- **Weight:** 20 oz.
- **Accuracy:** 0.5 % FSO
- **Ranges:** 0-1 inch Nominal
- **Part Number:** 160147
- TEDS Sensor Recognition (QUIKLOOK 3)

* Spring packs can be calibrated on Teledyne's Spring Pack Calibration Stand (sold separately)

P/N	System	Travel Distance
160147	QL2	1 inch
160147-2		2 inches
160208	QL3	1 inch
160208-02		2 inches

Accurate measurement of spring pack displacement is essential for diagnostic testing and the proper setup of a Motor Operated Valve (MOV). Teledyne's spring pack measurement device (SPMD), when used as part of an MOV diagnostic testing platform, does just that as well as provide an excellent estimate of actuator torque. Also, the SPMD assures that the spring pack is operating within its generic design or calibrated* range.

Teledyne's newest version of the SPMD offers more precision and higher accuracy (0.5%) than the previous design. It also has an improved magnetic base that allows for a more stable placement on all sizes of Limotorque actuators, particularly the 000 through 0 sizes, eliminating the need for the SPMD mounting plate accessory.

The new unit has integral extension screws that store conveniently and securely in the body of the sensor. The electrical connector has been modified to accept QUIKLOOK's Channel 1-8 / 9-16 standard cable without the



need for a separate adapter cable. Not evident to the user are the internal design changes that make the unit more robust, protecting against damage that can occur when the SPMD is dropped or mishandled.